

Welcome to N-Queen Problem

[1] To run one instance

[2] to run multiple instances

1

Initial Board:

```
. . . . .  
. . Q . . . Q Q  
. . . . .  
. . . Q . Q . .  
Q . . . . .  
. Q . . Q . . .  
. . . . .  
. . . . .
```

Final Board (Steepest-Ascent Hill Climbing):

```
. Q . . . . .  
. . . . . Q  
. . . . . Q . .  
. . . Q . . . .  
Q . . . . .  
. . . . . Q .  
. . . . Q . . .  
. . Q . . . . .
```

Time Taken: 0.00599217414855957 seconds

Search Cost: 336

Final Board (Genetic Algorithm):

```
. . . . . Q . .  
. . Q . . . . .  
. . . . . Q .  
. . . Q . . . .  
Q . . . . .  
. . . . . Q  
. Q . . . . .  
. . . . Q . . .
```

Time Taken: 0.44840073585510254 seconds

Search Cost: 7900

The GA final board is a solution.

[1] To run one instance

[2] to run multiple instances

1

Initial Board:

```
. . Q . . . .  
. . . . .  
. . . Q . . Q Q  
. . . . . Q . .  
Q . . . . .  
. Q . . Q . .  
. . . . .  
. . . . .
```

Final Board (Steepest-Ascent Hill Climbing):

```
. . Q . . . .  
Q . . . . .  
. . . Q . . . Q  
. . . . . Q . .  
. . . . .  
. Q . . . . .  
. . . . . Q .  
. . . . . Q . .
```

Time Taken: 0.0029935836791992188 seconds

Search Cost: 224

Final Board (Genetic Algorithm):

```
. . Q . . . .  
Q . . . . .  
. . . . . Q .  
. . . . . Q . .  
. . . . . Q  
. Q . . . . .  
. . . Q . . .  
. . . . . Q . .
```

Time Taken: 0.30489206314086914 seconds

Search Cost: 4600

The GA final board is a solution.

Welcome to N-Queen Problem

[1] To run one instance

[2] to run multiple instances

1

Initial Board:

```
. . Q . . . .  
Q . . Q . . .  
. . . . Q . .  
. Q . . Q . .  
. . . . . Q  
. . . . . Q .  
. . . . .  
. . . . .
```

Final Board (Steepest-Ascent Hill Climbing):

```
. . Q . . . .  
Q . . . . .  
. . . . Q . .  
. Q . . . . Q  
. . . . Q . .  
. . . . . Q .  
. . . Q . . .  
. . . . .
```

Time Taken: 0.0030930042266845703 seconds

Search Cost: 224

Final Board (Genetic Algorithm):

```
. . . . Q . .  
. . . . . Q  
. . . Q . . .  
Q . . . . .  
. . . . . Q .  
. Q . . . . .  
. . . . . Q .  
. . Q . . . .
```

Time Taken: 0.3926527500152588 seconds

Search Cost: 6900

The GA final board is a solution.

